

Converting Colors

CIELCh(85, 13.470, 212.178)

Have a look what the booklet for
CIELCh(85, 13.470, 212.178)
contains.

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Color

CIELCh(85, 13.490, 212.161)

Conversions

Conversions Part 1

Format	Color
Hex	B4DBE1
RGB	180, 219, 225
RGB Percent	71%, 86%, 88%
CMY	0.2930, 0.1400, 0.1165
CMYK	0.20, 0.03, 0.00, 0.12
HSL	188°, 43%, 80%
HSV	188°, 20%, 88%
XYZ	57.9288, 66.0070, 81.1330
YIQ	208.0230, -25.1700, -6.4020

Conversions

Conversions Part 2

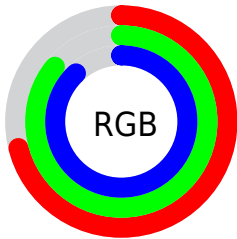
Format	Color
R _Y B	180, 201, 225
Decimal	11852769
CIE Lab	85.00, -11.42, -7.18
CIE LCh	85, 13.490, 212.161
Yxy	66.0070, 0.2825, 0.3219
Android (android.graphics.Color)	4290042849 (0xFFB4DBE1)
YUV	208.0230, 8.3697, -24.5762
Hunter-Lab	81.2447, -14.9047, -2.3372

Details

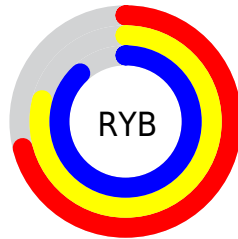
The CIELCh color **85, 13.490, 212.161** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 15.459, 32.383**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **65, 13.613, 212.615** is the 20% darker color. If you saturate the color by 10%, you get **83, 19.528, 212.363**, and if you desaturate by 10%, it is **87, 6.940, 212.111**.

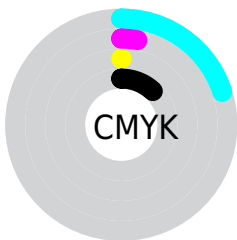
Distribution



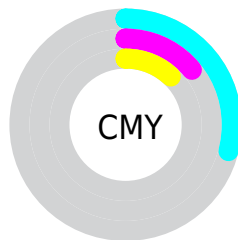
- Red (71%)
- Green (86%)
- Blue (88%)



- Red (71%)
- Yellow (79%)
- Blue (88%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)





- Cyan (29%)
- Magenta (14%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 13.490, 212.161 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 85, 13.490, 212.161 by changing the saturation by 10% instead.


 85, 13.490,
212.161


 85, 13.490,
212.161


 100, 13.490,
212.161


 75, 13.490,
212.161

 65, 13.490,
212.161

 55, 13.490,
212.161

 45, 13.490,
212.161

 35, 13.490,
212.161

 25, 13.490,
212.161

 15, 13.490,

212.161

■ 5, 13.490, 212.161

■ 0, 13.490, 212.161

■ 85, 13.490,
212.161

■ 85, 13.490,
212.161

■ 83, 19.528,
212.363

■ 87, 6.940, 212.111

■ 81, 24.937,
212.752

■ 90, 0.019, 358.280

■ 92, 7.281, 32.069

■ 79, 29.604,
213.361

■ 93, 9.192, 39.465

■ 78, 33.430,
214.236

■ 94, 8.858, 51.148

■ 95, 8.915, 63.181

■ 76, 36.344,

215.432

96, 9.353, 74.543

75, 38.327,
217.007

96, 10.121, 84.506

74, 39.428,
219.015

97, 11.149, 92.823

73, 39.850,
221.437

73, 39.851,
221.443

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85, 13.490, 212.161



79, 15.459, 32.383

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 13.490, 212.161



85, 13.490, 262.161



85, 13.490, 32.161



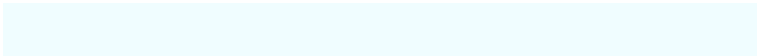
85, 13.490, 82.161

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85, 13.490, 212.154



98, 4.662, 212.164



86, 26.630, 146.446



52, 3.087, 212.150



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 13.490, 212.154



94, 17.667, 212.221



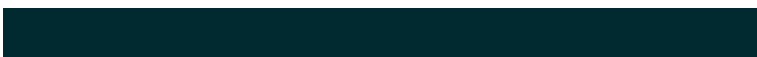
79, 15.758, 269.842



46, 3.943, 212.115



58, 33.156, 220.979



15, 13.772, 216.468

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78, 26.376, 329.489



85, 35.050, 329.747



84, 16.029, 84.326



44, 7.439, 328.838



40, 78.848, 334.337



7, 32.835, 333.204

Previews

White Background



This preview shows how the CIELCh color 85, 13.490, 212.161 looks on a white background.

Color Contrast Check

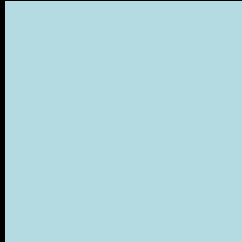
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 85, 13.490, 212.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

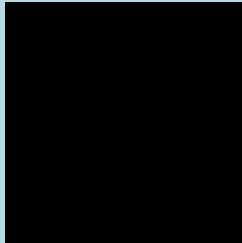
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 13.490, 212.161

Background



This preview shows how black text looks on a background with the CIELCh color 85, 13.490, 212.161.

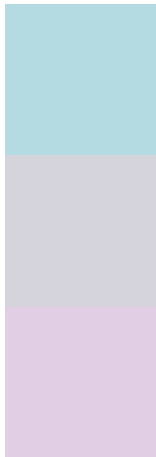


This preview shows how white text looks on a background with the CIELCh color 85, 13.490, 212.161.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
85, 13.490, 212.161

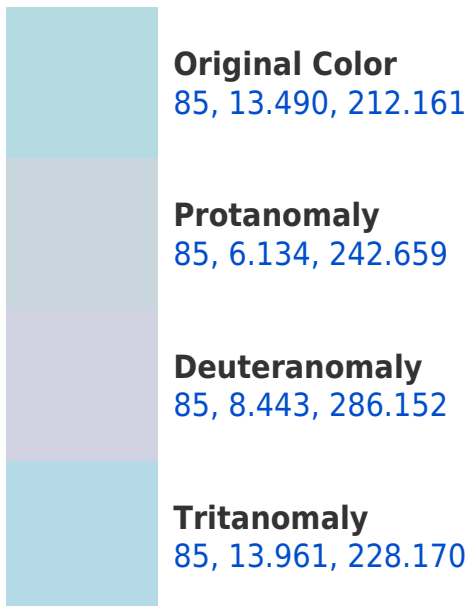
Protanopia
85, 4.806, 299.113

Deuteranopia
85, 13.471, 321.113



Tritanopia
85, 14.703, 236.406

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 13.490, 212.161 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 219, 225)` looks like.

```
.text, #text, p{  
    color:rgb(180, 219, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 219, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 219, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 13.490, 212.161 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 219, 225) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 219, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 219, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 219, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 219, 225);  
box-shadow:4px 4px 4px 4px rgb(180, 219,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 13.490, 212.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 219, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
219, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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